

**ABSTRACT**

The present invention relates to a process for preparing a catalyst for partial oxidation of propylene and iso-butylene, and more particularly to a 5 process for preparing a catalyst for partial oxidation of propylene and iso-butylene that can stably prepare a catalyst that shows high activity for conversion of propylene and iso-butylene to obtain acrolein and methacrolein with a high yield, by dissolving salts of metals acting as a catalyst in a nitric acid aqueous solution or in an organic acid solution to prepare a catalyst 10 suspension, drying the catalyst solution in a microwave oven, and then pulverizing and molding the dried catalyst, and calcining the catalyst.